Louisville Climate Action Network

Save Migratory Birds, Cut Carbon & Costs

Here's an easy way to cut your carbon and costs *and* save migratory birds!

Who: Businesses, nonprofit organizations, schools, congregations—and residents, too

Why: Migratory birds pass through Louisville at night, on their way between their breeding and overwintering grounds. Bright lights lead some birds to fly into windows, breaking their necks, or to circle outdoor lights until they die from exhaustion.

When: Between **11pm and 6am, during April-May and September-October**. To help fireflies find mates during their breeding season, too, please include June and July.

What: Take these steps to reduce the artificial light birds see at night:

1. Exterior: Turn off as many exterior lights as practical, especially up-lights used to illuminate buildings and landscaping. Add motion detectors to security lights, which is more effective anyway. Make sure any lights you can't turn off during the above periods are rated as "warm white" or 2,700° K to 3,000° K on their package or spec sheet. And that they're no brighter than needed, say, rated 50-80 lumens.

2. Interior: Turn off unneeded lights. Where lights are needed, close blinds/drapes.

Learn more at https://www.lightsoutlouisville.org/

Want to save more? Upgrade your incandescent, fluorescent and CFL lamps to warm white LED lamps to cut your lighting costs and related carbon emissions by 50% or more. LG&E "General Service" customers, including businesses, nonprofits and congregations, are eligible for attractive rebates for upgrading with LEDs from an approved list.

Use the worksheet on the back to calculate your carbon and cost reductions.

Note: Relamping requires wiring around the ballast inside existing fluorescent fixtures and the proper disposal of old, mercury-containing fluorescent lamps.

Learn more at https://www.louisvillecan.org/lighting or contact us (see below).

I can, you can, Louisville CAN!

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Use this worksheet to compute your savings in reduced costs and carbon emissions from upgrading to LED lamps.

The example below is for substituting **one**, 4'-long T8 LED tube lamp for a comparable fluorescent lamp; substituting an LED for an older, fatter T12 fluorescent tube lamp saves $9.36/year each! Most businesses have hundreds, if not thousands, of such tube lamps.

A	B	C	D	E	F
(Old – New)	A ÷1000		B x C x 52	D x $0.12 *	D x 1.77#
Reduced Wattage	**Reduced Kilowatts (kW)**	**"on" hrs/wk**	**kW-hours (kWh)/year**	**$/year saved**	**# GHG reduced ****
32W -15W = 17W	0.017	60	0.017 x 60 x 52 = 53	53 x $0.12 = **$6.36**	53 x 1.77# = 94#

* Residential customers substitute the $0.10/kWh residential rate for the $0.12/kWh commercial rate when computing $/year saved (column E).

** Based on 2020 data from the 2023 Kentucky Energy Profile